



Kingbright “HELI” series

High-Brightness • Energy-Efficient • LED • Illumination

- High luminous output up to ~12,000 mcd - exploits the latest AlGaInP and InGaN material technology
- Best for outdoor or sunlight visible applications - packaged in various industry standard packages

The “HELI” series is available in Red, Orange, Amber, True Green, and Blue with improved color performance and excellent light extraction. Kingbright’s “HELI” series is precisely engineered and packaged in robust industry-standard SMD & Through-Hole packages. This series is applicable for a wide range of market sectors, especially for outdoor applications. All packages are RoHS compliant and compatible with automated placement equipments.

Kingbright’s “HELI” series is the choice for your new and existing application designs.

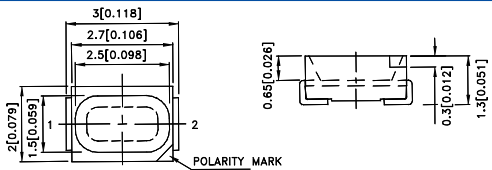
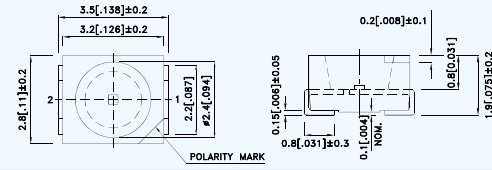
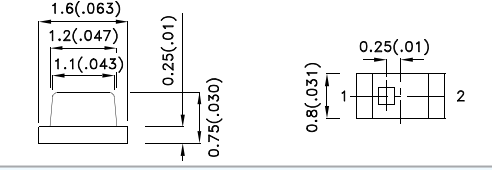
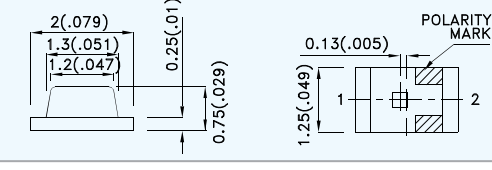
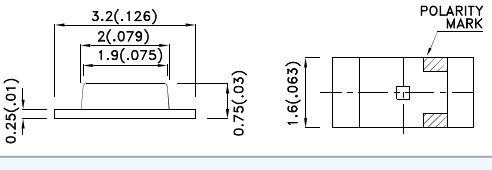
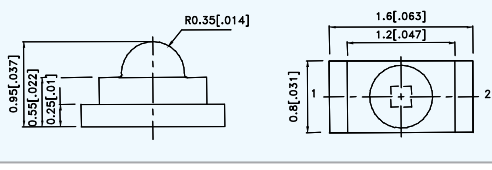
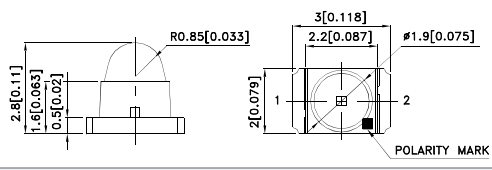
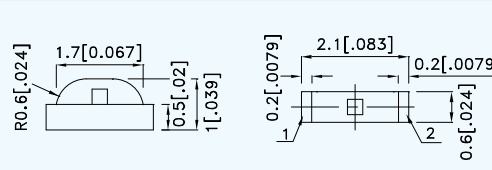
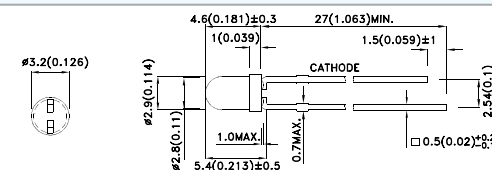
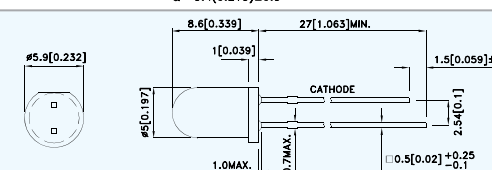


LED SOLUTION GUIDE

for High-brightness, Energy-efficient, LED Illumination



High-Brightness • Energy-Efficient • LED • Illumination

Package Name / Photo	Wavelength (Chip)	Features	Dimensions
AA3021 	470nm Blue (VB/D) 525nm True Green (ZGK) 590nm Amber (SYK/J3) 605nm Orange (SEK/J4) 625nm Red (SEK/J3)	3.0 x 2.0 x 1.3mm (LxWxH) - PLCC-2 package with viewing angle 125° - Package 2000pcs /reel - Moisture sensitivity level : Level 3 - Good for status indication and backlight illumination	
AA3528 	470nm Blue (VB/D) 525nm True Green (ZGK) 590nm Amber (SYK/J3) 605nm Orange (SEK/J4) 625nm Red (SEK/J3)	- Most popular industry standard PLCC-2 package 3.5 x 2.8 x 1.9mm (LxWxH) with viewing angle 120° - Package 2000pcs /reel - Moisture sensitivity level: Level 3 - Good for status indication and backlight illumination	
APT1608 	470nm Blue (VB/D) 525nm True Green (ZGK) 590nm Amber (SYK/J3) 605nm Orange (SEK/J4) 625nm Red (SEK/J3)	- Most popular industry standard 0603 package 1.6 x 0.8 x 0.75mm (LxWxH) with viewing angle 120° - Package 2000pcs /reel - Moisture sensitivity level: Level 3 - Good for membrane switch layout and button backlight	
APT2012 	470nm Blue (VB/D) 525nm True Green (ZGK) 590nm Amber (SYK/J3) 605nm Orange (SEK/J4) 625nm Red (SEK/J3)	- Industry standard 0805 package 2.0 x 1.25 x 0.75mm (LxWxH) with viewing angle 120° - Package 2000pcs /reel - Moisture sensitivity level: Level 3 - Good for button backlight and status indication	
APT3216 	470nm Blue (VB/D) 525nm True Green (ZGK) 590nm Amber (SYK/J3) 605nm Orange (SEK/J4) 625nm Red (SEK/J3)	- Industry standard 1206 package 3.2 x 1.6 x 0.75mm (LxWxH) with viewing angle 120° - Package 2000pcs /reel - Moisture sensitivity level: Level 3 - Good for button backlight and status indication	
APTD1608 	470nm Blue (VB/D) 525nm True Green (ZGK) 590nm Amber (SYK/J3) 605nm Orange (SEK/J4) 625nm Red (SEK/J3)	- Dome lens package with 0603 footprint 1.6 x 0.8 x 0.95mm (LxWxH) - Narrow viewing angle 60° with focused output - Package: 2000pcs /reel - Moisture sensitivity level: Level 3 - Complementary to any light guide designs	
APDA3020 	470nm Blue (VB/D) 525nm True Green (ZGK) 590nm Amber (SYK/J3) 605nm Orange (SEK/J4) 625nm Red (SEK/J3)	- Right angle package with dome lens - Narrow viewing angle 10° with focused output 3.0 x 2.8 x 2.0mm (LxWxH) - Package: 2000pcs /reel - Moisture sensitivity level: Level 3 - Good for sideways status indication & light guide designs	
APA2107 	470nm Blue (VB/D) 525nm True Green (ZGK) 590nm Amber (SYK/J3) 605nm Orange (SEK/J4) 625nm Red (SEK/J3)	- Right angle SMD package 2.1 x 1.0 x 0.6 mm (LxWxH) - Package: 2000pcs /reel - Moisture sensitivity level: Level 3 - Good for sideways status indication & edge lighting	
WP710A10 	470nm Blue (VB/D) 525nm True Green (ZGK) 590nm Amber (SYK/J3) 605nm Orange (SEK/J4) 625nm Red (SEK/J3)	- Popular T-1 (3mm) diameter package - Viewing angle of 34° - Reliable and robust - Available on tape and reel - Good for general status indication applications	
WP7113 	470nm Blue (VB/D) 525nm True Green (ZGK) 590nm Amber (SYK/J3) 605nm Orange (SEK/J4) 625nm Red (SEK/J3)	- Popular T-1 3/4 (5mm) diameter package - Viewing angle of 20° - Reliable and robust - Available on tape and reel - Good for general status indication applications	

Kingbright

E-MAIL: SALES@KINGBRIGHTUSA.COM WEBSITE: WWW.KINGBRIGHTUSA.COM
 TEL: (909)468-0500 ADDRESS: 225 BREA CANYON ROAD, CITY OF INDUSTRY, CA 91789

